

Press Release

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Authority Board Approves 8 Research Proposals

The Board of Directors for the Arkansas Science & Technology Authority (Authority) met today at 1:30 p.m. for its scheduled September meeting, resulting in the approval of \$201,004 in funding for eight research proposals, four each in Applied and Basic Research.

Projects funded in part by the Authority included:

1. "Optimal Bin Sizing for Focused Storage Systems," by Michael H. Cole at the University of Arkansas , Fayetteville. (Applied Research funding of \$21,700 with co-sponsor funding of \$25,000 by Hytrol Conveyor Co. Inc. of Jonesboro) [97-A-05]
2. "New Methods to Monitor and Prevent Intestinal Injury by Radiation Therapy," by Martin Hauer-Jensen, University of Arkansas for Medical Sciences. (Applied Research funding of \$39,400 with co-sponsor funding of \$39,200 from Central Arkansas Radiation Therapy Institute of Little Rock.) [97-A-06]
3. "Sweet Potato Peel Residue as a Drilling Fluid Component," by G. Ellen Holloway, University of Arkansas, Fayetteville. (Applied Research funding of \$10,200 with co-sponsor funding of \$10,000 by Ore-Ida Foods Inc., Delicious Foods Division, of Clarksville) [97-A-07]
4. "Design Methodology for Engineered Storage Areas with Parts Commonality," by Thomas L. Landers, University of Arkansas, Fayetteville. (Advanced Research funding of \$21,700 with co-sponsor funding of \$25,000 by Global Concepts, LLC of Little Rock.) [97-A-08]

5. "Design and Simulation of a Processing Element Node for a Decoupled Multi-Threaded Computer," by Mitchell A. Thornton, University of Arkansas, Fayetteville. (Basic Research funding of \$34,133.) [97-B-12]
6. "Enhancement of Forward Four Wave Mixing by Optical Feedback in Dye Doped Organics," by Michael Henry, University of Arkansas, Fayetteville. (Basic Research funding of \$12,200.) [97-B-14]
7. "Laser Optic Plethysmography in the Study of Respiratory Mechanics in Infants and Children," by Mohy G. Morris, University of Arkansas for Medical Sciences. (Basic Research funding of \$28,785.) [97-B-19]
8. "The Phylogenetic Position of the Platyhelminthes inferred from Mitochondrial Gene Arrangements," by J.M. Turbeville, University of Arkansas, Fayetteville. (Basic Research funding of \$32,886.) [97-B-21]

The projects were submitted to the full Board by the Authority's Research Committee.

The purpose of the Applied Research Grant Program is "to encourage, establish and support applied research in science and engineering by providing a cash match to Arkansas colleges and universities for contributions of funds and new equipment from private industry and other private sources," according to Dr. John Ahlen, Authority president. It is a cash-matching grant program to support applied research in science and is intended to stimulate the transfer of science and technology in Arkansas by enhancing opportunities for research partnerships between Arkansas colleges and universities, and private industries.

The purpose of the Basic Research Grant Program is "to encourage, establish and support basic research in science and engineering at Arkansas colleges and universities," Dr. Ahlen said. It is a competitive (60 percent state/40 percent institution) matching grant program to support basic research in science and engineering. The goals of the Basic Research Grant Program are to promote and support the growth and development of Arkansas scientists, and to enhance the status of science and engineering in Arkansas colleges and universities.

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The Arkansas Science & Technology Authority serves as a statewide funding resource for high quality scientific and technological projects. The Authority endeavors to bring the benefits of science and technology to the people and state of Arkansas through scientific research, technology development, business innovation, and education.

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